

## SEQUENCE LISTING

<110> MERCK & CO., INC.  
AIYAR, JAYASHREE  
COHEN, CHARLES JAY  
WILLIAMS, MARK EDWARD

<120> SPLICE VARIANTS OF HUMAN VOLTAGE-GATED  
CALCIUM CHANNEL ALPHA 2 DELTA-2 SUBUNIT DESIGNATED - ALPHA 2  
DELTA2-A AND ALPHA 2 DELTA 2-B

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<151> 2000-03-28

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 Pro Gln Gln His Thr Met Gln His Trp Ala Arg Arg Leu Glu Gln Glu  
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 Glu Asp Pro Asn Phe Lys Asn Lys Val Asn Tyr Ser Tyr Ala Ala Val  
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 Gln Ile Pro Thr Asp Ile Tyr Lys Gly Ser Thr Val Ile Leu Asn Glu  
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Gln Pro Val Ser Cys Phe Thr His Leu Val Gln Ala Asn Val Arg Asn		
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Lys Lys Val Phe Lys Glu Ala Val Gln Gly Met Val Ala Lys Gly Thr		
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Thr Gly Tyr Lys Ala Gly Phe Glu Tyr Ala Phe Asp Gln Leu Gln Asn		
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Asp Gly Gly Glu Asp Arg Val Gln Asp Val Phe Glu Lys Tyr Asn Trp		
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 Pro Lys Asp Met Val Ile Ile Val Asp Val Ser Gly Ser Val Ser Gly  
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Met Glu Lys Val Thr Pro Asp Ser Lys Gln Cys Asn Asn Phe Leu Leu		
705	710	715
His Asn Leu Ile Leu Asp Thr Gly Ile Thr Gln Gln Leu Val Glu Arg		
725	730	735
Val Trp Arg Asp Gln Asp Leu Asn Thr Tyr Ser Leu Leu Ala Val Phe		
740	745	750
Ala Ala Thr Asp Gly Gly Ile Thr Arg Val Phe Pro Asn Lys Ala Ala		
755	760	765
Glu Asp Trp Thr Glu Asn Pro Glu Pro Phe Asn Ala Ser Phe Tyr Arg		
770	775	780
Arg Ser Leu Asp Asn His Gly Tyr Val Phe Lys Pro Pro His Gln Asp		
785	790	795
Ala Leu Leu Arg Pro Leu Glu Leu Glu Asn Asp Thr Val Gly Ile Leu		
805	810	815
Val Ser Thr Ala Val Glu Leu Ser Leu Gly Arg Arg Thr Leu Arg Pro		
820	825	830
Ala Val Val Gly Val Lys Leu Asp Leu Glu Ala Trp Ala Glu Lys Phe		
835	840	845
Lys Val Leu Ala Ser Asn Arg Thr His Gln Asp Gln Pro Gln Lys Cys		
850	855	860
Gly Pro Asn Ser His Cys Glu Met Asp Cys Glu Val Asn Asn Glu Asp		
865	870	875
Leu Leu Cys Val Leu Ile Asp Asp Gly Gly Phe Leu Val Leu Ser Asn		
885	890	895
Gln Asn His Gln Trp Asp Gln Val Gly Arg Phe Phe Ser Glu Val Asp		
900	905	910
Ala Asn Leu Met Leu Ala Leu Tyr Asn Asn Ser Phe Tyr Thr Arg Lys		
915	920	925
Glu Ser Tyr Asp Tyr Gln Ala Ala Cys Ala Pro Gln Pro Pro Gly Asn		
930	935	940
Leu Gly Ala Ala Pro Arg Gly Val Phe Val Pro Thr Val Ala Asp Phe		
945	950	955
Leu Asn Leu Ala Trp Trp Thr Ser Ala Ala Trp Ser Leu Phe Gln		
965	970	975
Gln Leu Leu Tyr Gly Leu Ile Tyr His Ser Trp Phe Gln Ala Asp Pro		

	980	985	990												
Ala	Glu	Ala	Glu	Gly	Ser	Pro	Glu	Thr	Arg	Glu	Ser	Ser	Cys	Val	Met
	995		1000										1005		
Lys	Gln	Thr	Gln	Tyr	Tyr	Phe	Gly	Ser	Val	Asn	Ala	Ser	Tyr	Asn	Ala
	1010		1015								1020				
Ile	Ile	Asp	Cys	Gly	Asn	Cys	Ser	Arg	Leu	Phe	His	Ala	Gln	Arg	Leu
	1025		1030							1035				1040	
Thr	Asn	Thr	Asn	Leu	Leu	Phe	Val	Val	Ala	Glu	Lys	Pro	Leu	Cys	Ser
						1045		1050					1055		
Gln	Cys	Glu	Ala	Gly	Arg	Leu	Leu	Gln	Lys	Glu	Thr	His	Cys	Pro	Ala
			1060			1065						1070			
Asp	Gly	Pro	Glu	Gln	Cys	Glu	Leu	Val	Gln	Arg	Pro	Arg	Tyr	Arg	Arg
			1075			1080					1085				
Gly	Pro	His	Ile	Cys	Phe	Asp	Tyr	Asn	Ala	Thr	Val	Arg	Arg	Gly	Gly
			1090			1095					1100				
Gly	Gly	Pro	Glu	Ile	Pro	Arg	Pro	Cys	Ala	Arg	Pro	Gly	Arg	Pro	Ala
			1105			1110				1115				1120	
Pro	Cys	Leu	Ser	Pro	Gln	Glu	Asp	Thr	Ser	Asp	Cys	Gly	Arg	Gly	Ala
					1125			1130				1135			
Ser	Phe	Pro	Pro	Ser	Leu	Gly	Val	Leu	Val	Ser	Leu	Gln	Leu	Leu	Leu
					1140			1145			1150				
Leu	Leu	Gly	Leu	Pro	Pro	Arg	Pro	Gln	Pro	Gln	Val	Leu	Val	His	Ala
					1155			1160			1165				
Ser	Arg	Arg	Leu												
	1170														